1 of 1 DOCUMENT

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

<u>5218561</u>

Link to Claims Section

June 8, 1993

Fast calculation apparatus for carrying out a forward and an inverse transform

REISSUE: August 19, 2003 - Reissue Application filed Ex. Gp.: 2124; Re. S.N. 10/642,968 (O.G. November 4, 2003)

INVENTOR: Iwadare, Masahiro - Tokyo, Japan (JP)

APPL-NO: 712888 (07)

FILED-DATE: June 12, 1991

GRANTED-DATE: June 8, 1993

ASSIGNEE-PRE-ISSUE: July 12, 1991 - ASSIGNMENT OF ASSIGNORS INTEREST., NEC CORPORATION 7-1,

SHIBA 5-CHOME, MINATO-KUTOKYO, (1), Reel and Frame Number: 005781/0055

ASSIGNEE-AT-ISSUE: NEC Corporation, Tokyo, Japan (JP), Foreign company or corporation (03)

ENGLISH-ABST:

In an apparatus for carrying out a linear transform calculation on a product signal produced by multiplying a predetermined transform window function and an apparatus input signal, an FFT part (23) carries out fast Fourier transform on a processed signal produced by processing the product signal in a first processing part (21). As a result, the FFT part produces an internal signal which is representative of a result of the fast Fourier transform. A second processing part (22) processes the internal signal into a transformed signal which represents a result of the linear transform calculation. The apparatus is applicable to either of forward and inverse transform units (11, 12).

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Search statement 2

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        PLUSPAT - Questel
        US5218561 A 19930608 [US5218561]
PN
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        H04N-007/30 [2006-01 A F I R M JP]; G06F-017/14 [2006-01 A - I R M
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        EP]; G10L-011/00 [2006-01 A L I R M JP]; G10L-015/02 [2006-01 A L
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        [2006-01 A L I R M JP]
        HO4N-007/30 [2006 C F I R M JP]; G06F-017/14 [2006 C - I R M EP];
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STG -
        In an apparatus for carrying out a linear transform calculation on
AB
        a product signal produced by multiplying a predetermined
        transform window function and an apparatus input signal, an FFT
        part (23) carries out fast Fourier transform on a processed signal
        produced by processing the product signal in a first processing
        part (21). As a result, the FFT part produces an internal signal
        which is representative of a result of the fast Fourier transform.
        A second processing part (22) processes the internal signal into
        a transformed signal which represents a result of the linear
        transform calculation. The apparatus is applicable to either of
        forward and inverse transform units (11, 12).
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PN - US5218561 A 19930608 [US5218561] (A) Patent

AP - US71288891 19910612 [1991US-0712888]

PUB - 19910612 US-API [POS; EXM]

FILING DETAILS

US71288891 19910612 [1991US-0712888]

19930608 US-A [POS; EXM]

Patent

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ACT - 19910712 US/AS02-A [NMC]

ASSIGNMENT OF ASSIGNOR'S INTEREST

OWNER: NEC CORPORATION 7-1, SHIBA 5-CHOME, MINATO-KU TOKY;

EFFECTIVE DATE: 19910628

19910712 US/AS02-A [NMC]

ASSIGNMENT OF ASSIGNOR'S INTEREST

OWNER: IWADARE, MASAHIRO; EFFECTIVE DATE: 19910628

20031104 US/RF-A [OPP] REISSUE APPLICATION FILED

EFFECTIVE DATE: 20030819

LEG - OPP

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UP - 2003-46

1 / 1 CRXX - ©CLAIMS/RRX

PN - 5,218,561 A 19930608 [US5218561]

PN - 5,218,561 A PA - NEC Corp JP

ACT - 20030819 REISSUE REQUESTED

ISSUE DATE OF O.G.: 20031104

REISSUE REQUEST NUMBER: 10/642968

EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2124

Reissue Patent Number: